As a below named inventor, I hereby declare that:

This declaration	n is of the following type:
[X] [] []	
	INVENTORSHIP IDENTIFICATION
amiginal first a	post office address and citizenship are as stated below next to my name. I believe I am the nd sole inventor (if only one name is listed below) or an original, first and joint inventor (if re listed below) of the subject matter which is claimed and for which a patent is sought on the led:
IN SITU APP	LICATION OF ETCH BACK FOR IMPROVED DEPOSITION INTO HIGH-ASPECT- RATIO FEATURES
	SPECIFICATION IDENTIFICATION
The specificati	on of which:
[X] []	is attached hereto was filed on, under Application No, executed on even date herewith; or [] Express Mail No (as Application No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on
A	CKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state t the claims, as	hat I have reviewed and understand the contents of the above-identified specification, including amended by any amendment referred to above.
I acknowledge Title 37, Code	e the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, §1.56,
and which is r likelihood that to issue as a p	naterial to the examination of this application; namely, information where there is a substantial a reasonable Examiner would consider it important in deciding whether to allow the application atent, and
[]	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

		•				
	[X] No such applications have been filed.					
	[] Such appl	ications have been filed as fo	llows:			
A.	Prior foreign/PCT any priority claims	application(s) filed within 12 sunder 35 U.S.C. §119	mos. (6 mos. fo	design) prior to this application, and		
0	Country/PCT	Application No	Date Filed	Priority Claimed		
				[] Yes [] No [] Yes [] No [] Yes [] No		
В.	All foreign application	ation(s), if any, filed more that	an 12 mos. (6 m	os for design) prior to this		
	Country: Application No: Filing date:					
		PRIORITY CLAIM	(35 U.S.C. §12	0)		
PCT is as the in the to discousing the approximation.	nternational applicat subject matter of eac manner provided by close information tha stantial likelihood the oplication to issue as	ion(s) designating the United the of the claims of this applic the first paragraph of Title 3 t is material to the examination at a reasonable Examiner wo	States of Americation is not disc. 5, United States on of this applicated uld consider it in ween the filing of	of any United States application(s) or that is/are listed below and, insofar osed in that/those prior application(s). Code, §112, I acknowledge the duty tion (namely, information where there apportant in deciding whether to allow ate of the prior application(s) and the		
		applications have been filed lications have been filed, as	follows:			
				Status		
	Application No.	Filing Date	<u>Patented</u>	Pending Abandoned		

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610 Registration No. 37,771
Joseph Bach Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412 Registration No. 25,436
Robert W. Mulcahy Walter Benjamin Glenn	Registration No. 23,430 Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick M. Boucher	Registration No. 44,037

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick M. Boucher (303) 571-4000

DECLARATION

Full name of sole or firs	st inventor: PADMAN	ABHAN KRISHN	ARAJ	
Inventor's signature: _ Residence: Post Office Address:	San Francisco, CA 94131 2734 Diamond St., San Fran	cisco CA 94131	Date:	12/20/01
rost Office Address.	United States	Country of Citizen	iship:	India
Full name of second in	ventor: PAVEL IONOV		Date:	
Inventor's signature:	~ 1 01006		Date.	
Residence: Post Office Address:	Sunnyvale, CA 94086 941 Tamarack Cr., No. 1, S	unnyvale. CA 9408	36	
1 0st Office Address.	United States	Country of Citizer	nship:	Ukraine

Full name of third inve	entor: CANFENG LAI		
Inventor's signature:		Date:	
Residence:	Fremont, CA 94539		
Post Office Address:	47615 Hoyt St, Fremont, C		
	United States	Country of Citizenship:	United States
Full name of fourth in	ventor: MICHAEL SAN	TIAGO COX	
Inventor's signature:		Date:	
Residence:	Davenport, CA 95017		
Post Office Address:	P.O. Box 259, Davenport,	CA 95017	
	United States	Country of Citizenship:	United States
- 44 0 0 0 0 1 1	CITAMOUII CII	A MACHITE I A NI	
Full name of fifth inve	entor: SHAMOUIL SH.	AMOULIAN	
Inventor's signature:		Date:	
Residence:	San Jose, CA 95120		
Post Office Address:	6536 Little Falls Drive, Sa	n Jose, CA 95120	
	United States	Country of Citizenship:	United States
	Ø 1 /		

(Declaration ends with this page)

DE 7056951 v1

As a below named inventor,	, I hereby declare that:

This declaration is of the following type:

[X]	original
[]	divisional
[]	continuation
	continuation-in-part

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IN SITU APPLICATION OF ETCH BACK FOR IMPROVED DEPOSITION INTO HIGH-ASPECT-RATIO FEATURES

SPECIFICATION IDENTIFICATION

The specification of which:

is attached hereto	under Application No.	, executed on even
date herewith; or		
[] Express Mail No.	(as Application No. no	ot yet known)
L 3 A	(if applicable)	
	PCT International Application No	filed on
		•
	was filed on date herewith; or [] Express Mail No and was amended on was described and claimed in	was filed on, under Application No date herewith; or [] Express Mail No (as Application No. no.

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for patent or inventor's certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing date before that of
the application(s) of which priority is claimed.

	[X] No such applications have been filed.						
	[] Such applications have been filed as follows:						
A.	Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119						
	Coun	try/PCT	Application No	Date Filed	<u>P</u>	riority Claimed	
] Yes [] No] Yes [] No] Yes [] No	
В.		eign applica	ation(s), if any, filed more th	an 12 mos. (6 m	os for design	a) prior to this	
	Country: Application No: Filing date:						
PRIORITY CLAIM (35 U.S.C. §120)							
I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.							
[X] No such applications have been filed[] Such applications have been filed, as follows:							
	Application No. Filing Date Patented Pending Abandoned						
	Applic	ation No.	Filing Date	Patented	Pending	Abandor	<u>100</u>

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Santa Clara, CA 95052

Patrick M. Boucher (303) 571-4000

DECLARATION

Full name of sole or fi	rst inventor: PADMAI	NABHAN KRISHNARAJ	
Inventor's signature:		Date:	
Residence:	San Francisco, CA 94131		
Post Office Address:	2734 Diamond St., San Fra	ancisco, CA 94131	
	United States	Country of Citizenship:	India
Full name of second in	nventor: PAVEL IONOV		
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Post Office Address:	941 Tamarack Cr., No. 1, S	Sunnyvale, CA 94086	
	United States	Country of Citizenship:	Ukraine

DE 7056951 v1

Full name of third inv	entor: CANFENG LAI)			
Inventor's signature:		Date:	1/8/02		
Residence:	Fremont, CA 94539				
Post Office Address:	47615 Hoyt St, Fremont, C		TI '4-1 (14-4		
	United States	Country of Citizenship:	United States		
Full name of fourth in	ventor: MICHAEL SANT	TIAGO COX			
Inventor's signature:		Date:			
Residence:	Davenport, CA 95017				
Post Office Address:	P.O. Box 259, Davenport,	CA 95017			
	United States	Country of Citizenship:	United States		
Full name of fifth inventor: SHAMOUIL SHAMOUILIAN					
		_			
Inventor's signature:	G T CA 05100	Date:			
Residence:	San Jose, CA 95120	- T CA 05130			
Post Office Address:	6536 Little Falls Drive, Sar United States	Country of Citizenship:	United States		
	United States	Country of Chizenship.	Office States		
	(Declaration e	ends with this nage)			

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[]	divisional
[]	continuation
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[X]	is attached hereto			_
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	and was amended on	(if applicable)		
[]	was described and claimed	in PCT International Application No.		_ filed on
	and as a	amended under PCT Article 19 on		_•

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date before that of the application(s) of which priority is claimed.

	[X] No such a	pplications have been filed.			
	[] Such appl	ications have been filed as f	ollows:		
A.		application(s) filed within laims under 35 U.S.C. §119	12 mos. (6 mos.	. for desig	n) prior to this application,
	Country/PCT	Application No	Date Filed		Priority Claimed
					[] Yes [] No [] Yes [] No [] Yes [] No
В.	All foreign applic U.S. application	ation(s), if any, filed more the	nan 12 mos. (6	mos for de	esign) prior to this
	Country: Application No: Filing date:				
		PRIORITY CLAIM	(35 U.S.C. §12	20)	
PCT in as the s in the r to disc there is to allow	ternational applicate subject matter of each manner provided by lose information the substantial likelihow the application to	under Title 35, United State ion(s) designating the United ch of the claims of this applicate the first paragraph of Title 3 at is material to the examination od that a reasonable Examination as a patent) which occurrent attentional filing date of this	States of Amer action is not disc 5, United State action of this app aner would consumed between the	ica that is/solosed in the solosed i	are listed below and, insofar hat/those prior application(s) 12, I acknowledge the duty namely, information where portant in deciding whether
		applications have been filed lications have been filed, as	follows:		
				Status	
	Application No.	Filing Date	Patented	Pendi	ng Abandoned

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Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Patrick M. Boucher (303) 571-4000

Santa Clara, CA 95052

E-11 ---- - C -- la --- finet inventor

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

DADMANIA DLIANI IZDICUNIA DA I

run name of sole of fi	ist inventor. PADMA	NABIIAN KIGSIINAKAJ	
Inventor's signature:		Date:	
Residence:	San Francisco, CA 94131		
Post Office Address:	2734 Diamond St., San Fr.	ancisco, CA 94131	
	United States	Country of Citizenship:	India
Full name of second in	nventor: PAVEL IONOV		
	\mathcal{D}_{i}		01/21/07
Inventor's signature:	mule	Date:	0/1 21 /02
Residence:	Glendale, CA 91201 91	1203 PI	
Post Office Address:	338 W. Salem St. #105	• -	
	United States	Country of Citizenship:	Ukraine

Full name of third inv	entor: CANFENG LAI				
Inventor's signature:		Date:			
Residence:	Fremont, CA 94539				
Post Office Address:	47615 Hoyt St, Fremont, O	CA 94539			
	United States	Country of Citizenship:	United States		
Full name of fourth in	ventor: MICHAEL SAN	TIAGO COX			
Inventor's signature:		Date:			
Residence:	Davenport, CA 95017				
Post Office Address:	P.O. Box 259, Davenport,	CA 95017			
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Full name of fifth inve	entor: SHAMOUIL SH	AMOUILIAN			
Inventor's signature:		Date:			
Residence:	San Jose, CA 95120				
Post Office Address:	6536 Little Falls Drive, Sa	an Jose, CA 95120			
1 051 011100 1 14441 055.	United States	Country of Citizenship:	United States		
		county or consequence			
(Declaration ends with this page)					

DE 7056951 v1

As a below nar	As a below named inventor, I hereby declare that:				
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	[X] No such applications have been filed.					
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	Count	try/PCT	Application No	Date Filed		Priority Claimed
						[] Yes [] No [] Yes [] No [] Yes [] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application					
	Country Applies Filing of	ation No:				
			PRIORITY CLA	IM (35 U.S.C. §12	20)	
PCT intas the sin the nation discless substantial to the app	ternation ubject m nanner p ose infor antial lib	nal application atter of each provided by mation that kelihood that to issue as a	on(s) designating the Unit h of the claims of this app the first paragraph of Titl is material to the examina t a reasonable Examiner	ted States of Americation is not disc e 35, United States ation of this application would consider it in between the filing of	ica that is/ar losed in tha s Code, §11 ation (namel mportant in	ed States application(s) or re listed below and, insofar t/those prior application(s) 2, I acknowledge the duty ty, information where there deciding whether to allow prior application(s) and the
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				D. 4 1	Status	Ahendanad
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Santa Clara, CA 95052

Patrick M. Boucher (303) 571-4000

DECLARATION

Full name of sole or fi	rst inventor: PADMA	NABHAN KRISHNARAJ	
Inventor's signature:		Date:	
Residence:	San Francisco, CA 94131		
Post Office Address:	2734 Diamond St., San Francisco, CA 94131		
	United States	Country of Citizenship:	India
Full name of second in	nventor: PAVEL IONOV		
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Post Office Address:	941 Tamarack Cr., No. 1, S	Sunnyvale, CA 94086	
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	United States	Country of Citizenship:	United States
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	11111	1	17/21/2001
Inventor's signature:	901	Date:	12/21/2001
Residence:	Dayenport, CA/95017		, ,
Post Office Address:	P.O. Box 259, Davenport		
	United States	Country of Citizenship:	United States
Full name of fifth inve	entor: SHAMOUIL SH	AMOUII IAN	
run name of man mve	moi. Silawooil sil	AWOULIAN	
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		-	
	~ .		
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DE 7056951 vI			

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B.	B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application				prior to this	
	Country: Application No: Filing date:					
PRIORITY CLAIM (35 U.S.C. §120)						
PCT in as the s in the r to disclusive the app	ternation subject manner plose infortantial likelication	nal application atter of each or ovided by the mation that selihood that to issue as a	ander Title 35, United Son(s) designating the United of the claims of this apthe first paragraph of Ti is material to the examinate a reasonable Examiner patent) which occurred all filing date of this apparent	ited States of Ameri oplication is not disci- tle 35, United States nation of this applica would consider it in between the filing of	ca that is/are li losed in that/th s Code, §112, I tion (namely, in nportant in dec	sted below and, insofar ose prior application(s) acknowledge the duty information where there adding whether to allow
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Post Office Address:	2734 Diamond St., San Francisco, CA 94131		
	United States	Country of Citizenship:	India
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